

IN THE SPECIFICATION

*Please amend the specification at page 12, paragraph [0042], as follows:*

[0042] The sender 110 sends 317 a key/nonce/data to the receiver 130. With the sender-initiated verification scheme, the sender-initiated verification mechanism 610 on the sender side initiates the verification protocol after the information is sent. It collaborates with a sender-initiated verification mechanism 640 on the receiver side to authenticate the source of the received information through the physical channel 125. The sender-initiated verification mechanism 610 on the receiver side includes a nonce repeater 620 and an acknowledging nonce perceiver 690. The nonce repeater 620 initiates the authentication protocol by generating a repeating nonce 630 that is consistent with the original nonce and sending the repeating nonce 630 to the receiver 130 via the physical channel 125. Similar to the receiver-initiated verification protocol, the repeating nonce 630 may or may not be the same as the original nonce.

*Please amend the specification at page 13, paragraph [0045] as follows:*

[0045] Through the physical channel 125, the repeating nonce perceiver 650 in the receiver 130 perceives the repeating nonce 630, which may be a spoken phrase or a human gesture. The nonce verifier 660 then compares the repeating nonce 630 with the received nonce to see whether they are consistent. If the repeating nonce 630 is consistent with the received nonce, the acknowledgement mechanism 670 confirms the source of the received information and sends an acknowledging nonce [[670]] 680 to the sender 110.

*Please amend the specification at page 14, paragraph [0048] as follows:*

[0048] Once the information is sent, the sender generates, at act [[440]] 740, a

repeating nonce and then waits until an acknowledgement from the receiver 130 is perceived at act [[450]] 750. The sender 110 then sends a signed message at act [[460]] 760 and sends it to the receiver at act [[470]] 770.